

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
3 April 2003 (03.04.2003)

PCT

(10) International Publication Number  
**WO 03/027228 A2**

- (51) International Patent Classification<sup>7</sup>: C12N
- (21) International Application Number: PCT/US02/22833
- (22) International Filing Date: 16 July 2002 (16.07.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
- |            |                               |    |
|------------|-------------------------------|----|
| 60/306,020 | 17 July 2001 (17.07.2001)     | US |
| 60/308,179 | 27 July 2001 (27.07.2001)     | US |
| 60/309,702 | 2 August 2001 (02.08.2001)    | US |
| 60/311,476 | 10 August 2001 (10.08.2001)   | US |
| 60/311,718 | 10 August 2001 (10.08.2001)   | US |
| 60/311,551 | 10 August 2001 (10.08.2001)   | US |
| 60/314,798 | 24 August 2001 (24.08.2001)   | US |
| 60/316,639 | 31 August 2001 (31.08.2001)   | US |
| 60/317,996 | 7 September 2001 (07.09.2001) | US |
- (71) Applicant (for all designated States except US): INCYTE GENOMICS, INC. [US/US]; 3160 Porter Drive, Palo Alto, CA 94304 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LAL, Preeti, G. [US/US]; P.O. Box 5142, Santa Clara, CA 95056 (US). HONCHELL, Cynthia, D. [US/US]; 158 Laurel Street, San Carlos, CA 94070 (US). FORSYTHE, Ian, J. [US/US]; 308 Roble Avenue, Redwood City, CA 94061 (US). WALIA, Narinder, K. [US/US]; 890 Davis Street A #205, San Leandro, CA 94577 (US). TANG, Tom, Y. [US/US]; 4230 Ranwick Court, San Jose, CA 95118 (US). BOROWSKY, Mark, L. [US/US]; 122 Orchard Avenue, Redwood City, CA 94061 (US). BARROSO, Ines [PT/GB]; 38 Eden Street, Cambridge, CB1 1EL (GB). YUE, Henry [US/US]; 826 Lois Avenue, Sunnyvale, CA 94087 (US). WARREN, Bridget, A. [US/US]; 2250 Homestead Court #2, Los Altos, CA 94024 (US). THANGAVELU, Kavitha [IN/US]; 1950 Montecito Avenue #23, Mountain View, CA 94043 (US). GIETZEN, Kimberly, J. [US/US]; 691 Los Huecos Drive, San Jose, CA 95123 (US). AZIMZAI, Yalda [US/US]; 5518 Boulder Canyon Drive, Castro Valley, CA 94552 (US). LEE, Ernestine, A. [US/US]; 20523 Crow Creek Road, Castro Valley, CA 94552 (US). BAUGHN, Mariah, R.
- [US/US]; 14244 Santiago Road, San Leandro, CA 94577 (US). GORVAD, Ann, E. [US/US]; 369 Marie Common, Livermore, CA 94550 (US). DUGGAN, Brendan, M. [AU/US]; 243 Buena Vista Avenue #306, Sunnyvale, CA 94086 (US). TRAN, Bao [US/US]; 750 Salberg Avenue, Santa Clara, CA 95051 (US). LI, Joana, X. [US/US]; 1264 Geneva Avenue, San Francisco, CA 94112 (US). RICHARDSON, Thomas, W. [US/US]; 616 Canyon Road #107, Redwood City, CA 94062 (US). ELLIOTT, Vicki, S. [US/US]; 3770 Polton Place Way, San Jose, CA 95121 (US). ZEBARJADIAN, Yeganeh [IR/US]; 830 Junipero Serra Boulevard, San Francisco, CA 94127 (US). TRAN, Uyen, K. [US/US]; 2638 Mabury Square, San Jose, CA 95133 (US). YAO, Monique, G. [US/US]; 1189 Woodgate Drive, Carmel, IN 46033 (US). PETERSON, David, P. [US/US]; 970 Cherry Avenue, San Jose, CA 95126 (US). LUO, Wen [CN/US]; 5003 Ruette de Mer, San Diego, CA 92130 (US). LEHR-MASON, Patricia, M. [US/US]; 360 Clarke Lane, Morgan Hill, CA 95014 (US).
- (74) Agents: HAMLET-COX, Diana et al.; 3160 Porter Drive, Palo Alto, CA 94304 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 03/027228 A2

(54) Title: RECEPTORS AND MEMBRANE-ASSOCIATED PROTEINS

(57) Abstract: Various embodiments of the invention provide human receptors and membrane-associated proteins (REMAP) and polynucleotides which identify and encode REMAP. Embodiments of the invention also provide expression vectors, host cells, antibodies, agonists, and antagonists. Other embodiments provide methods for diagnosing, treating, or preventing disorders associated with aberrant expression of REMAP.